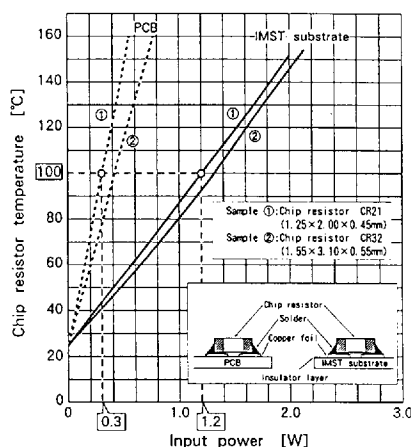


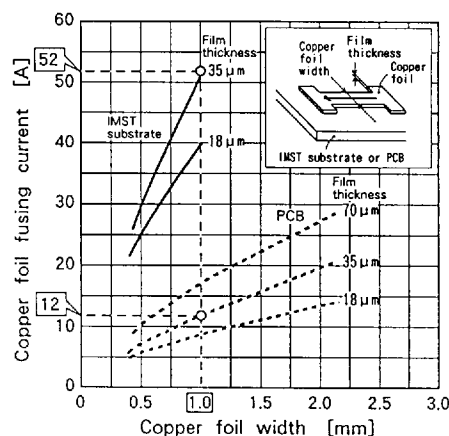
# ■ Features of the IMST® Hybrid ICs

## ■ Excellent heat dissipation

- One of the most influential factors determining reliability of electronic devices is "heat". The IMST substrate is most suitable for the field of power electronics, dissipating heat efficiently.



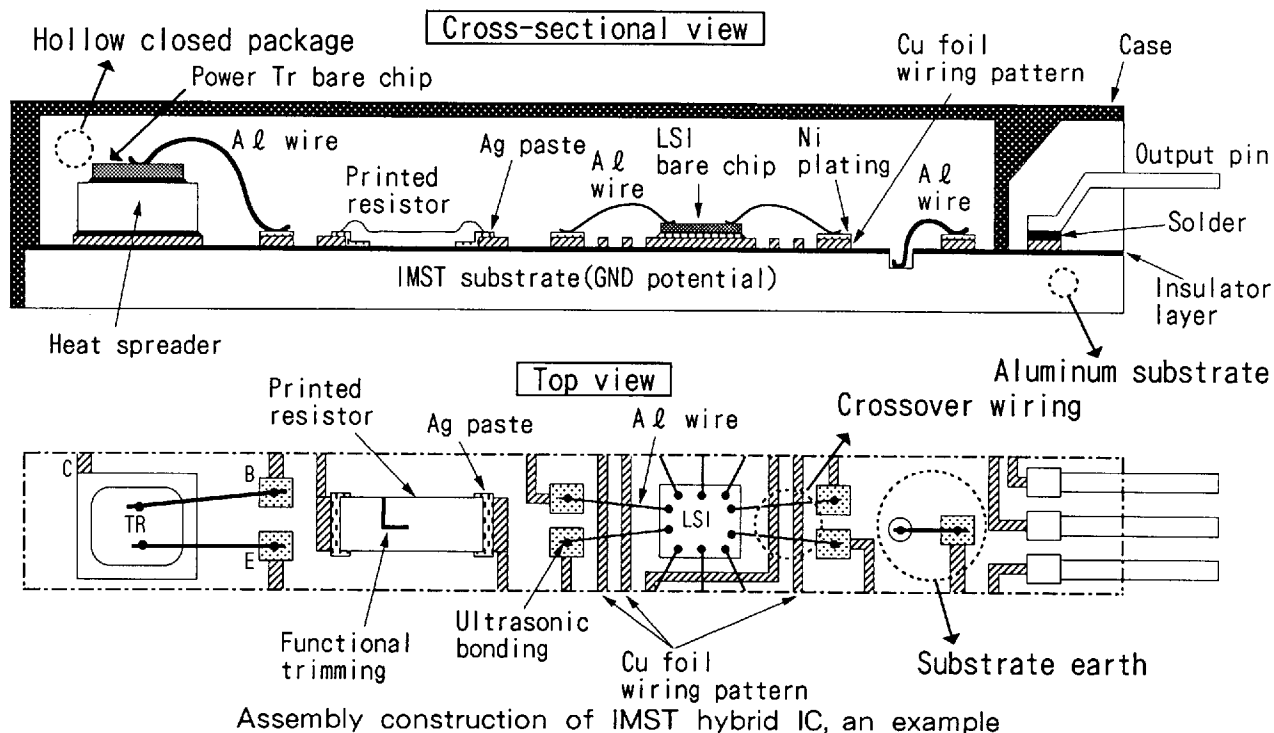
Comparison of chip resistor temperature rises  
【IMST®'s values are about 1/4 of PCB's.】



Comparison of copper foil fusing currents  
【IMST®'s values are about 4 times of PCB's.】

## ■ High reliability

- Wiring is applied by mounting semiconductor bare chips directly and bonding aluminum wires. This reduces number of soldering points assuring high reliability.



## ■ Excellent electromagnetic shielding

- Excellent electromagnetic shielding can be attained by putting the entire substrate on the ground potential because the base substrate is made of aluminum. This eliminates noise errors in the digitalized electronic devices.

# ■ Features of STK Series Audio Power ICs

## Ample lineup

- STK series lineup is ample and standard based whereas the current hybrid IC market tends to customization.

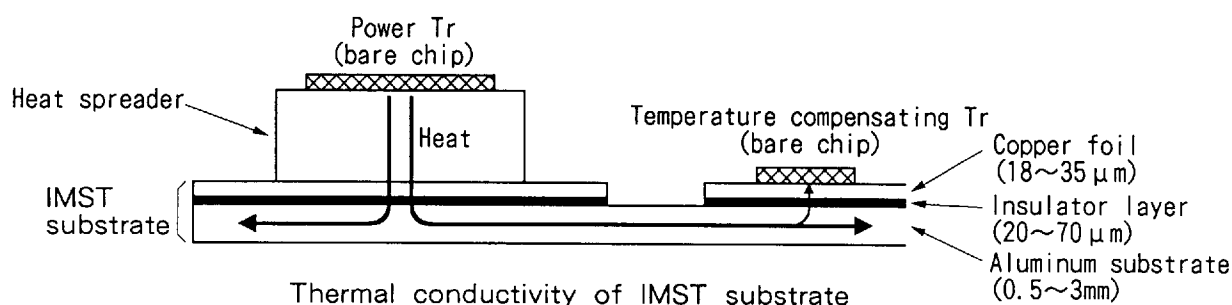
|                            |                   |
|----------------------------|-------------------|
| Output power (per channel) | : 5 to 200W       |
| Total harmonic distortion  | : 10 to 0.005 %   |
| Number of channels         | : 1 to 3ch.       |
| Load impedance             | : 1 to 8 $\Omega$ |

## Pin compatibility

- The design takes pin compatibility of the hybrid IC output pin important so that a same PCB can be used for various set grades such as output capacity and distortion factor.

## Excellent thermal stability

- The IMST substrate of excellent heat dissipation naturally assures excellent thermal conductivity. Temperature of the output transistor can be almost the same as the temperature compensating transistor, preventing thermal runaway.



## Decreasing adjustment processes

- Adjustments of the neutral voltage of the power output stage and the quiescent current are done by functional trimming inside the hybrid IC. This eliminates adjustment processes saving on the production procedure.

## Reducing the term for design

- The audio output stage remains analog however digitalization technology may advance. Design of the analog power output stage, which is considered requiring the designer's experience and skill, can be simplified by employing hybrid ICs. This reduces the term for design and saves on the design procedure.

## Decreasing number of parts

- The product of STK series decreases the total number of parts required for a unit, allowing to reduce its size, certain assembly manpower, simplify material control, improve serviceability and reduce cost.

## No smoke for fire

- Since the product of STK series is designed so to emit no smoke nor fire in any abnormality, it facilitates to obtain safety approvals.

# Line – up of Audio power Amplifier ICs

|                |                         |  |                                                |  |
|----------------|-------------------------|--|------------------------------------------------|--|
| Power Supply   | + Power Supply          |  | ± Power Supply                                 |  |
| Channel Number | 1ch 2ch                 |  | 1ch 2ch                                        |  |
| Load           | 1~8 Ω                   |  | 4~8 Ω                                          |  |
| THD            | 10 % 1 %                |  | 0.4 % 0.08 % 0.008 % 0.4 % 0.08 % 0.4 % 0.08 % |  |
| Pin-compatible | ←-----→ ←-----→ ←-----→ |  | ←-----→ ←-----→                                |  |

|             |                     |                     |                     |                        |                       |                       |                        |                        |                        |                        |                        |
|-------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Series name | STK4065<br>(Page 7) | STK4017<br>(Page 7) | STK4332<br>(Page 7) | STK4024 II<br>(Page 8) | STK4024 V<br>(Page 8) | STK4028 X<br>(Page 8) | STK4036 XI<br>(Page 8) | STK4144MK2<br>(Page 9) | STK4144MK5<br>(Page 9) | STK4145MK2<br>(Page 9) | STK4145MK5<br>(Page 9) |
|-------------|---------------------|---------------------|---------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|

|                      |       |         |         |            |           |           |            |              |              |                      |              |
|----------------------|-------|---------|---------|------------|-----------|-----------|------------|--------------|--------------|----------------------|--------------|
| Output Power/channel | 5W→   |         | STK4332 |            |           |           |            |              |              |                      |              |
|                      | 7W→   | STK4017 | STK4352 |            |           |           |            |              |              |                      |              |
|                      | 10W→  | STK4019 | STK4362 |            |           |           |            |              |              |                      |              |
|                      | 12W→  |         | STK4372 |            |           |           |            |              |              |                      |              |
|                      | 15W→  | STK4021 | STK4392 |            |           |           |            |              |              |                      |              |
|                      | 20W→  | STK4023 | STK4412 | STK4024 II | STK4024 V |           |            |              |              |                      |              |
|                      | 25W→  | STK4025 | STK4432 | STK4026 II | STK4026 V |           |            | STK4144MK2   | STK4144MK5   | STK4145MK2           | STK4145MK5   |
|                      | 30W→  |         |         | STK4028 II | STK4028 V | STK4028 X |            | STK4154MK2   | STK4154MK5   | ※ STK4155MK2         | ※ STK4155MK5 |
|                      | 35W→  | STK4065 |         | STK4030 II | STK4030 V |           |            | STK4164MK2   | STK4164MK5   | STK4165MK2           | ※ STK4165MK5 |
|                      | 40W→  |         |         | STK4032 II |           | STK4032 X |            | STK4174MK2   | ※ STK4174MK5 | ※ STK4175MK2         | ※ STK4175MK5 |
|                      | 45W→  |         |         |            |           | STK4034 X |            | STK4184MK2   | STK4184MK5   | STK4185MK2           | ※ STK4185MK5 |
|                      | 50W→  |         |         | STK4036 II | STK4036 V | STK4036 X | STK4036 XI | ※ STK4194MK2 | STK4194MK5   | ※ STK4195MK2         | STK4195MK5   |
|                      | 60W→  | STK4067 |         | STK4038 II |           |           | STK4038 XI | STK4204MK2   | STK4204MK5   | STK4205MK2           | ※ STK4205MK5 |
|                      | 70W→  |         |         | STK4040 II | STK4040 V | STK4040 X | STK4040 XI | STK4214MK2   | ※ STK4214MK5 | STK4215MK2           | ※ STK4215MK5 |
|                      | 80W→  |         |         | STK4042 II | STK4042 V |           | STK4042 XI | ※ STK4224MK2 | STK4224MK5   | STK4225MK2           | ※ STK4225MK5 |
|                      | 100W→ |         |         | STK4044 II | STK4044 V | STK4044 X | STK4044 XI | STK4234MK2   | STK4234MK5   | STK4235MK2           | ※ STK4235MK5 |
|                      | 120W→ |         |         |            | STK4046 V |           | STK4046 XI |              |              |                      |              |
|                      | 150W→ |         |         | STK4048 II | STK4048 V |           | STK4048 XI |              |              |                      |              |
|                      | 200W→ |         |         | STK4050 II | STK4050 V |           |            |              |              | ※: Under development |              |

Car-use  
BTL

Pure –  
com.

Built – in  
Self recovery type  
Protection circuit

Built – in  
Latch type  
Protection circuit

|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        |                |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|-------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|----------------|
| ± Power Supply          |                         |                         |                         | ± Power Supply×2              |                               |                         |                         | ± Power Supply         |                        |                        |                        | Power Supply   |
| 2ch                     |                         |                         |                         | 3ch                           |                               |                         |                         | 2ch                    |                        |                        |                        | Channel Number |
| 3~6 Ω                   |                         |                         |                         | 4~8 Ω                         |                               |                         |                         | 2~8 Ω                  |                        |                        |                        | Load           |
| 0.4 %                   | 0.08 %                  | 0.4 %                   | 0.08 %                  | 0.4 %                         | 0.08 %                        | 0.4 %                   | 0.08 %                  | 0.02 %                 | 0.05 %                 | 0.005 %                |                        | THD            |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        | Pin-compatible |
| STK401-010<br>(Page 10) | STK401-210<br>(Page 10) | STK400-010<br>(Page 11) | STK400-210<br>(Page 11) | STK400-450<br>(Page 11)       | STK400-650<br>(Page 11)       | STK4102 II<br>(Page 12) | STK4201 II<br>(Page 12) | STK4121 V<br>(Page 12) | STK4141 X<br>(Page 12) | STK4196 X<br>(Page 12) | STK350-000<br>(Page 7) | Series name    |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        |                |
|                         |                         |                         |                         |                               |                               | STK4102 II              |                         |                        |                        |                        |                        | 5W             |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        | 7W             |
| * STK401-010            | * STK401-210            | * STK400-010            | * STK400-210            |                               |                               | STK4112 II              |                         |                        |                        |                        |                        | 10W            |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        | 12W            |
| STK401-020              | STK401-220              | STK400-020              | * STK400-220            |                               |                               | STK4122 II              |                         | STK4121 V              |                        |                        |                        | 15W            |
| STK401-030              | * STK401-230            | * STK400-030            | * STK400-230            |                               |                               | STK4132 II              |                         | STK4131 V              |                        |                        |                        | 20W            |
| STK401-040              | * STK401-240            | * STK400-040            | * STK400-240            |                               |                               | STK4142 II              |                         | STK4141 V              | STK4141 X              |                        |                        | 25W            |
| STK401-050              | * STK401-250            | STK400-050              | * STK400-250            | * STK400-450<br>(L, Rch. 15W) | * STK400-650<br>(L, Rch. 15W) | STK4152 II              |                         | STK4151 V              | STK4151 X              |                        |                        | 30W            |
| STK401-060              | * STK401-260            | * STK400-060            | * STK400-260            | * STK400-460<br>(L, Rch. 15W) | * STK400-660<br>(L, Rch. 15W) | STK4162 II              |                         | STK4161 V              |                        |                        |                        | 35W            |
| STK401-070              | * STK401-270            | * STK400-070            | * STK400-270            | * STK400-470<br>(L, Rch. 20W) | * STK400-670<br>(L, Rch. 20W) | STK4172 II              |                         | STK4171 V              | STK4171 X              |                        | STK350-000             | 40W            |
| STK401-080              | * STK401-280            | * STK400-080            | * STK400-280            | * STK400-480<br>(L, Rch. 20W) | * STK400-680<br>(L, Rch. 20W) | STK4182 II              |                         | STK4181 V              |                        |                        | STK350-000             | 45W            |
| STK401-090              | * STK401-290            | * STK400-090            | * STK400-290            | * STK400-490<br>(L, Rch. 25W) | * STK400-690<br>(L, Rch. 25W) | STK4192 II              |                         | STK4191 V              | STK4191 X              | STK4196 X              | STK350-000             | 50W            |
| STK401-100              | * STK401-300            | * STK400-100            | * STK400-300            | * STK400-500<br>(L, Rch. 30W) | * STK400-700<br>(L, Rch. 30W) |                         | STK4201 II              | STK4201 V              | STK4201 X              |                        | STK350-010             | 60W            |
| STK401-110              | * STK401-310            | * STK400-110            | * STK400-310            | * STK400-510<br>(L, Rch. 35W) | * STK400-710<br>(L, Rch. 35W) |                         | STK4211 II              | STK4211 V              | STK4211 X              | STK4216 X              | STK350-010             | 70W            |
| STK401-120              | * STK401-320            |                         |                         | * STK400-520<br>(L, Rch. 40W) | * STK400-720<br>(L, Rch. 40W) |                         | STK4221 II              | STK4221 V              |                        |                        | STK350-020             | 80W            |
| STK401-130              | * STK401-330            |                         |                         | * STK400-530<br>(L, Rch. 50W) | * STK400-730<br>(L, Rch. 50W) |                         | STK4231 II              | STK4231 V              |                        |                        | STK350-030             | 100W           |
| STK401-140              | * STK401-340            |                         |                         |                               |                               |                         | STK4241 II              | STK4241 V              |                        |                        | STK350-040             | 120W           |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        | STK350-050             | 150W           |
|                         |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        | 200W           |
| *: Under development    |                         |                         |                         |                               |                               |                         |                         |                        |                        |                        |                        |                |

3ch.  
Same output power

3ch.  
Different output power  
(2ch + Center ch.)

Built - in Muting circuit

2 Ω  
Load

Voltage  
amplifier

# Main Characteristics

## STK4065 series

| Type Number | Output power Po[W] |          |          | THD[%] | Vcc max[V] | Vcc[V] | Case outline                | Features                                   |
|-------------|--------------------|----------|----------|--------|------------|--------|-----------------------------|--------------------------------------------|
|             | RL = 4 Ω           | RL = 2 Ω | RL = 1 Ω |        |            |        |                             |                                            |
| STK4065     | 23                 | 35       | —        | 10     | 18         | 13.2   | 46.5×25.5×8.5<br>(No. 4081) | ◆Car-stereo use<br>◆BTL<br>◆Pin-compatible |
| STK4067     | 23                 | 40       | 60       |        |            |        | 64×31×8.5<br>(No. 4131)     |                                            |

## STK4017 series

| Type Number | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]  |          | Case outline                 | Features                                            |
|-------------|-----------------------|--------|------------|----------|----------|------------------------------|-----------------------------------------------------|
|             |                       |        |            | RL = 8 Ω | RL = 4 Ω |                              |                                                     |
| STK4017     | 6.5                   | 1.0    | 45         | 26.4     | 26.4     | 46.5×25.5×8.5<br>(No. 4021B) | ◆1ch./1package<br>◆+power supply<br>◆Pin-compatible |
| STK4019     | 10.0                  |        | 54         | 32.0     | 29.0     |                              |                                                     |
| STK4021     | 15.0                  |        | 64         | 38.0     | 34.0     |                              |                                                     |
| STK4023     | 20.0                  |        | 73         | 44.0     | 38.0     | 59.2×31×8.5<br>(No. 4070)    |                                                     |
| STK4025     | 25.0                  |        | 80         | 48.0     | 44.0     |                              |                                                     |

## STK4332 series

| Type Number | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]  |          | Case outline                 | Features                                            |
|-------------|-----------------------|--------|------------|----------|----------|------------------------------|-----------------------------------------------------|
|             |                       |        |            | RL = 8 Ω | RL = 4 Ω |                              |                                                     |
| STK4332     | 5 + 5                 | 1.0    | 32         | 23       | 21       | 59.2×25.5×8.5<br>(No. 4032A) | ◆2ch./1package<br>◆+power supply<br>◆Pin-compatible |
| STK4352     | 7 + 7                 |        | 39         | 27       | 25       |                              |                                                     |
| STK4362     | 10 + 10               |        | 50         | 33       | 28       |                              |                                                     |
| STK4372     | 12 + 12               |        | 54         | 35       | 31       | 59.2×31×8.5<br>(No. 4033)    |                                                     |
| STK4392     | 15 + 15               |        | 56         | 39       | 36       |                              |                                                     |
| STK4412     | 20 + 20               |        | 63         | 44       | 40       |                              |                                                     |
| STK4432     | 25 + 25               |        | 70         | 49       | 44       |                              |                                                     |

## STK350 - 000 series

| Type Number  | Output power Po[W] | THD[%] | Vcc max[V] | Vcc [V]  | Case outline          | Features                              |
|--------------|--------------------|--------|------------|----------|-----------------------|---------------------------------------|
|              |                    |        |            | RL = 8 Ω |                       |                                       |
| STK350 - 000 | 40 ~ 60            | 0.005  | ± 55       | ± 36     | 53×22×9<br>(No. 4147) | ◆Voltage amplifier<br>◆Pin-compatible |
| STK350 - 010 | 60 ~ 80            |        | ± 59       | ± 41     |                       |                                       |
| STK350 - 020 | 80 ~ 90            |        | ± 65       | ± 47     |                       |                                       |
| STK350 - 030 | 90 ~ 100           |        | ± 75       | ± 50     |                       |                                       |
| STK350 - 040 | 100 ~ 120          |        | ± 80       | ± 55     |                       |                                       |
| STK350 - 050 | 120 ~ 150          |        | ± 90       | ± 60     |                       |                                       |

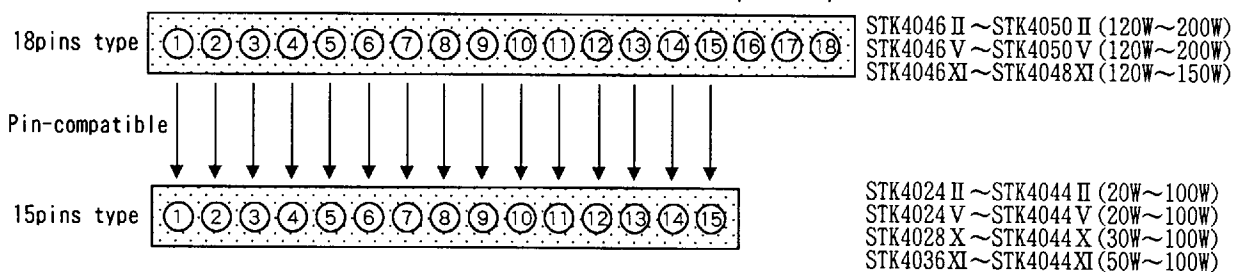
※:Under development

■ STK4024 II series / STK4024 V series / STK4028 X series / STK4036 XI series

| Type Number | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]              |                      | Case outline              | Features                                                                                                                                       |  |
|-------------|-----------------------|--------|------------|----------------------|----------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|
|             |                       |        |            | R <sub>L</sub> = 8 Ω | R <sub>L</sub> = 4 Ω |                           |                                                                                                                                                |  |
| STK4024 II  | 20                    | 0.4    | ± 34.5     | ± 23.0               | ± 20.0               | 59.2×31×8.5<br>(No. 4033) | ◆1ch./1package<br>◆±Power supply<br>◆Pin-compatible with<br>STK4036XI series                                                                   |  |
| STK4026 II  | 25                    |        | ± 38.0     | ± 26.0               | ± 22.0               |                           |                                                                                                                                                |  |
| STK4028 II  | 30                    |        | ± 42.0     | ± 27.5               | ± 25.0               |                           |                                                                                                                                                |  |
| STK4030 II  | 35                    |        | ± 45.0     | ± 30.0               | ± 27.0               |                           |                                                                                                                                                |  |
| STK4032 II  | 40                    |        | ± 48.0     | ± 32.0               | ± 29.0               |                           |                                                                                                                                                |  |
| STK4036 II  | 50                    |        | ± 52.0     | ± 35.0               | ± 31.0               |                           |                                                                                                                                                |  |
| STK4038 II  | 60                    |        | ± 57.0     | ± 38.0               | ± 32.5               | 64×36.5×8.5<br>(No. 4075) |                                                                                                                                                |  |
| STK4040 II  | 70                    |        | ± 60.0     | ± 42.0               | —                    |                           |                                                                                                                                                |  |
| STK4042 II  | 80                    |        | ± 65.0     | ± 45.0               | —                    |                           |                                                                                                                                                |  |
| STK4044 II  | 100                   |        | ± 73.0     | ± 51.0               | —                    | 78×44×9<br>(No. 4051A)    |                                                                                                                                                |  |
| STK4048 II  | 150                   | ± 86.0 | ± 59.0     | —                    |                      |                           |                                                                                                                                                |  |
| STK4050 II  | 200                   | ± 95.0 | ± 66.0     | —                    |                      |                           |                                                                                                                                                |  |
| STK4024 V   | 20                    | 0.08   | ± 37.0     | ± 24.5               | ± 21.5               | 64×31×8.5<br>(No. 4062)   |                                                                                                                                                |  |
| STK4026 V   | 25                    |        | ± 39.0     | ± 26.0               | ± 22.0               |                           |                                                                                                                                                |  |
| STK4028 V   | 30                    |        | ± 42.0     | ± 27.5               | ± 25.0               |                           |                                                                                                                                                |  |
| STK4030 V   | 35                    |        | ± 46.0     | ± 30.0               | ± 27.0               |                           |                                                                                                                                                |  |
| STK4036 V   | 50                    |        | ± 52.0     | ± 35.0               | ± 31.0               | 64×36.5×8.5<br>(No. 4075) |                                                                                                                                                |  |
| STK4040 V   | 70                    |        | ± 62.0     | ± 42.0               | ± 36.0               |                           |                                                                                                                                                |  |
| STK4042 V   | 80                    |        | ± 65.0     | ± 45.0               | —                    |                           |                                                                                                                                                |  |
| STK4044 V   | 100                   |        | ± 73.0     | ± 51.0               | —                    | 78×44×9<br>(No. 4051A)    |                                                                                                                                                |  |
| STK4046 V   | 120                   |        | ± 80.0     | ± 55.0               | —                    |                           |                                                                                                                                                |  |
| STK4048 V   | 150                   |        | ± 87.0     | ± 60.0               | —                    |                           |                                                                                                                                                |  |
| STK4050 V   | 200                   | ± 95.0 | ± 66.0     | —                    |                      |                           |                                                                                                                                                |  |
| STK4028 X   | 30                    | 0.008  | ± 42.0     | ± 29.0               | ± 26.0               | 64×31×8.5<br>(No. 4062)   |                                                                                                                                                |  |
| STK4032 X   | 40                    |        | ± 49.0     | ± 33.5               | ± 30.0               |                           |                                                                                                                                                |  |
| STK4034 X   | 45                    |        | ± 50.0     | ± 35.0               | ± 31.0               |                           |                                                                                                                                                |  |
| STK4036 X   | 50                    |        | ± 52.0     | ± 36.5               | ± 31.5               |                           |                                                                                                                                                |  |
| STK4040 X   | 70                    |        | ± 62.0     | ± 42.5               | ± 36.0               |                           |                                                                                                                                                |  |
| STK4044 X   | 100                   | 0.018  | ± 74.0     | ± 51.0               | —                    | 64×36.5×8.5<br>(No. 4075) |                                                                                                                                                |  |
| STK4036 XI  | 50                    | 0.008  | ± 53.5     | ± 37.0               | —                    | 64×36.5×8.5<br>(No. 4075) | ◆1ch./1package<br>◆±Power supply<br>◆Pure-complimentary<br>◆Pin-compatible with<br>STK4024 II series,<br>STK4024 V series,<br>STK4028 X series |  |
| STK4038 XI  | 60                    |        | ± 58.0     | ± 40.0               | —                    |                           |                                                                                                                                                |  |
| STK4040 XI  | 70                    |        | ± 63.0     | ± 43.5               | —                    |                           |                                                                                                                                                |  |
| STK4042 XI  | 80                    |        | ± 67.0     | ± 46.5               | —                    |                           |                                                                                                                                                |  |
| STK4044 XI  | 100                   |        | ± 74.0     | ± 51.0               | —                    |                           |                                                                                                                                                |  |
| STK4046 XI  | 120                   |        | ± 80.0     | ± 55.0               | —                    | 78×44×9<br>(No. 4151A)    |                                                                                                                                                |  |
| STK4048 XI  | 150                   |        | ± 87.0     | ± 60.0               | —                    |                           |                                                                                                                                                |  |

【Pin - compatibility of Output pins】

Pins for  
parallel push-pull



# Main Characteristics

■ STK4144MK2 series / STK4144MK5 series / STK4145MK2 series / STK4145MK5 series

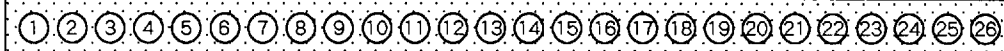
| Type Number  | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]  |          | Equivalent<br>circuit    | Case outline             | Features                                                                                                                                                     |
|--------------|-----------------------|--------|------------|----------|----------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                       |        |            | RL = 8 Ω | RL = 4 Ω |                          |                          |                                                                                                                                                              |
| STK4144MK2   | 25 + 25               | 0.4    | ± 40.0     | ± 27.0   | ± 22.0   | Fig.1                    | 78×44×9<br>(No. 4086A)   | ◆Built-in<br>Self recovery type<br>Protection circuit<br>◆2ch./1package<br>◆±Power supply<br>◆Pin-compatible with<br>STK4145MK2 series,<br>STK4145MK5 series |
| STK4154MK2   | 30 + 30               |        | ± 42.0     | ± 28.0   | ± 25.0   |                          |                          |                                                                                                                                                              |
| STK4164MK2   | 35 + 35               |        | ± 45.0     | ± 30.5   | ± 26.5   |                          |                          |                                                                                                                                                              |
| STK4174MK2   | 40 + 40               |        | ± 48.0     | ± 32.0   | ± 28.0   |                          |                          |                                                                                                                                                              |
| STK4184MK2   | 45 + 45               |        | ± 50.0     | ± 33.5   | ± 30.0   | Fig.2                    | 90×53×8.5<br>(No. 4110A) |                                                                                                                                                              |
| ※ STK4194MK2 | 50 + 50               |        | ± 52.5     | ± 35.0   | ± 32.0   |                          |                          |                                                                                                                                                              |
| STK4204MK2   | 60 + 60               |        | ± 55.0     | ± 38.5   | —        |                          |                          |                                                                                                                                                              |
| STK4214MK2   | 70 + 70               |        | ± 60.0     | ± 42.0   | —        |                          |                          |                                                                                                                                                              |
| ※ STK4224MK2 | 80 + 80               | ± 65.0 | ± 45.0     | —        | Fig.3    | 78×44×9<br>(No. 4086A)   |                          |                                                                                                                                                              |
| STK4234MK2   | 100 + 100             | ± 75.0 | ± 51.0     | —        |          |                          |                          |                                                                                                                                                              |
| STK4144MK5   | 25 + 25               | 0.08   | ± 40.5     | ± 27.0   |          |                          | ± 24.0                   |                                                                                                                                                              |
| STK4154MK5   | 30 + 30               |        | ± 42.0     | ± 28.5   |          |                          | ± 25.0                   |                                                                                                                                                              |
| STK4164MK5   | 35 + 35               |        | ± 46.0     | ± 30.5   | ± 26.5   |                          |                          |                                                                                                                                                              |
| ※ STK4174MK5 | 40 + 40               |        | ± 49.0     | ± 32.5   | ± 28.0   |                          |                          |                                                                                                                                                              |
| STK4184MK5   | 45 + 45               |        | ± 51.0     | ± 34.0   | ± 30.0   |                          |                          |                                                                                                                                                              |
| STK4194MK5   | 50 + 50               |        | ± 53.0     | ± 35.5   | ± 32.0   |                          |                          |                                                                                                                                                              |
| STK4204MK5   | 60 + 60               |        | ± 57.0     | ± 39.0   | —        |                          |                          |                                                                                                                                                              |
| ※ STK4214MK5 | 70 + 70               |        | ± 62.0     | ± 43.0   | —        | Fig.4                    | 90×53×8.5<br>(No. 4110A) |                                                                                                                                                              |
| STK4224MK5   | 80 + 80               | ± 65.0 | ± 45.0     | —        |          |                          |                          |                                                                                                                                                              |
| STK4234MK5   | 100 + 100             | ± 75.0 | ± 51.0     | —        |          |                          |                          |                                                                                                                                                              |
| STK4145MK2   | 25 + 25               | 0.4    | ± 40.0     | ± 27.0   | ± 22.0   |                          |                          |                                                                                                                                                              |
| ※ STK4155MK2 | 30 + 30               |        | ± 42.0     | ± 28.0   | ± 25.0   |                          |                          |                                                                                                                                                              |
| STK4165MK2   | 35 + 35               |        | ± 45.0     | ± 30.5   | ± 26.5   |                          |                          |                                                                                                                                                              |
| ※ STK4175MK2 | 40 + 40               |        | ± 48.0     | ± 32.0   | ± 28.0   |                          |                          |                                                                                                                                                              |
| STK4185MK2   | 45 + 45               |        | ± 50.0     | ± 33.5   | ± 30.0   |                          |                          |                                                                                                                                                              |
| ※ STK4195MK2 | 50 + 50               |        | ± 52.5     | ± 35.0   | ± 32.0   |                          |                          |                                                                                                                                                              |
| STK4205MK2   | 60 + 60               |        | ± 55.0     | ± 38.5   | —        |                          |                          |                                                                                                                                                              |
| STK4215MK2   | 70 + 70               |        | ± 60.0     | ± 42.0   | —        |                          |                          |                                                                                                                                                              |
| STK4225MK2   | 80 + 80               | ± 65.0 | ± 45.0     | —        | Fig.6    | 90×53×8.5<br>(No. 4110A) |                          |                                                                                                                                                              |
| STK4235MK2   | 100 + 100             | ± 75.0 | ± 51.0     | —        |          |                          |                          |                                                                                                                                                              |
| STK4145MK5   | 25 + 25               | 0.08   | ± 40.5     | ± 27.0   |          |                          | ± 24.0                   |                                                                                                                                                              |
| ※ STK4155MK5 | 30 + 30               |        | ± 42.0     | ± 28.5   |          |                          | ± 25.0                   |                                                                                                                                                              |
| ※ STK4165MK5 | 35 + 35               |        | ± 46.0     | ± 30.5   | ± 26.5   |                          |                          |                                                                                                                                                              |
| ※ STK4175MK5 | 40 + 40               |        | ± 49.0     | ± 32.5   | ± 28.0   |                          |                          |                                                                                                                                                              |
| ※ STK4185MK5 | 45 + 45               |        | ± 51.0     | ± 34.0   | ± 30.0   |                          |                          |                                                                                                                                                              |
| STK4195MK5   | 50 + 50               |        | ± 53.0     | ± 35.5   | ± 32.0   |                          |                          |                                                                                                                                                              |
| ※ STK4205MK5 | 60 + 60               |        | ± 57.0     | ± 39.0   | —        |                          |                          |                                                                                                                                                              |
| ※ STK4215MK5 | 70 + 70               |        | ± 62.0     | ± 43.0   | —        | Fig.8                    | 90×53×8.5<br>(No. 4110A) |                                                                                                                                                              |
| ※ STK4225MK5 | 80 + 80               | ± 65.0 | ± 45.0     | —        |          |                          |                          |                                                                                                                                                              |
| ※ STK4235MK5 | 100 + 100             | ± 75.0 | ± 51.0     | —        |          |                          |                          |                                                                                                                                                              |

※: Under development

## 【Pin - compatibility of Output pins】

Pins for phase correction

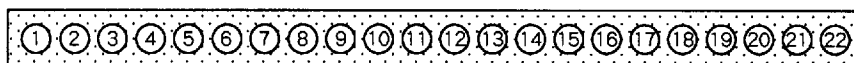
26pins type



STK4204~STK4234  
STK4205~STK4235  
(60W/ch~100W/ch)

Pin-compatible

22pins type



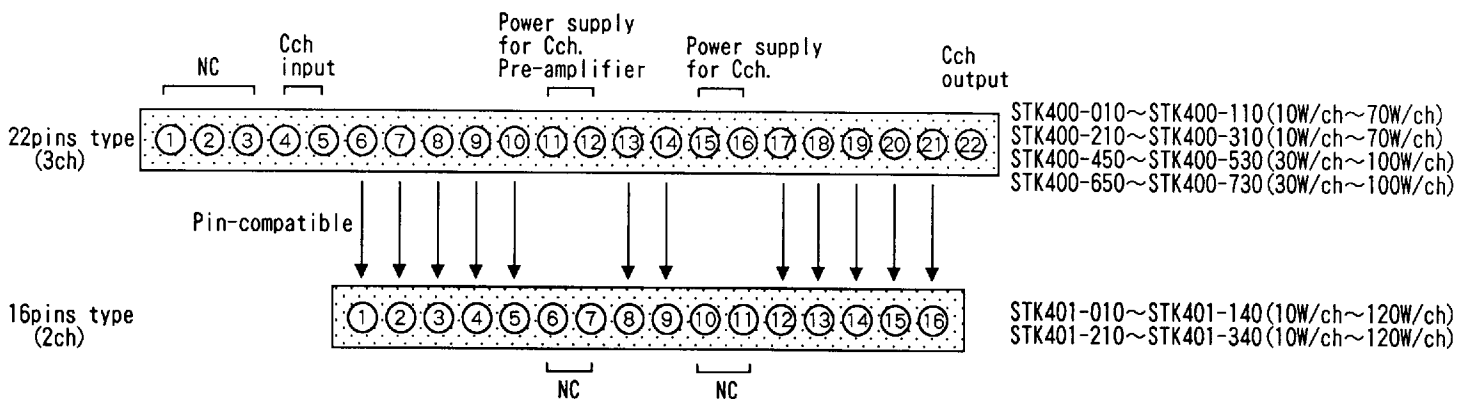
STK4144~STK4194  
STK4145~STK4195  
(25W/ch~50W/ch)

# ■ STK401 - 010 series / STK401 - 210 series

| Type Number    | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]              |                      | Equivalent<br>circuit | Case outline              | Features                                                                                                                                                                 |        |
|----------------|-----------------------|--------|------------|----------------------|----------------------|-----------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                |                       |        |            | R <sub>L</sub> = 6 Ω | R <sub>L</sub> = 3 Ω |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 010 | 10 + 10               | 0.4    | ± 26       | ± 17.0               | ± 14                 | Fig.9                 | 64×36.5×8.5<br>(No. 4134) | ◆R <sub>L</sub> =6/3Ω<br>◆2ch./1package<br>◆±Power supply<br>◆Pin-compatible with<br>STK400-010 series,<br>STK400-210 series,<br>STK400-450 series,<br>STK400-650 series |        |
| STK401 - 020   | 15 + 15               |        | ± 29       | ± 20.0               | ± 16                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 030   | 20 + 20               |        | ± 34       | ± 23.0               | ± 19                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 040   | 25 + 25               |        | ± 36       | ± 25.0               | ± 21                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 050   | 30 + 30               |        | ± 39       | ± 26.0               | ± 22                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 060   | 35 + 35               |        | ± 41       | ± 28.0               | ± 23                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 070   | 40 + 40               |        | ± 44       | ± 30.0               | ± 24                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 080   | 45 + 45               |        | ± 45       | ± 31.0               | ± 25                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 090   | 50 + 50               |        | ± 47       | ± 32.0               | ± 26                 |                       |                           |                                                                                                                                                                          |        |
| STK401 - 100   | 60 + 60               |        | ± 51       | ± 35.0               | ± 27                 |                       |                           |                                                                                                                                                                          | Fig.10 |
| STK401 - 110   | 70 + 70               |        | ± 56       | ± 38.0               | —                    |                       |                           |                                                                                                                                                                          |        |
| STK401 - 120   | 80 + 80               |        | ± 61       | ± 42.0               | —                    | Fig.11                |                           |                                                                                                                                                                          |        |
| STK401 - 130   | 100 + 100             |        | ± 65       | ± 45.0               | —                    |                       |                           |                                                                                                                                                                          |        |
| STK401 - 140   | 120 + 120             |        | ± 74       | ± 51.0               | —                    |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 210 | 10 + 10               | 0.08   | ± 26       | ± 17.5               | ± 14                 | Fig.12                | 64×36.5×8.5<br>(No. 4134) |                                                                                                                                                                          |        |
| STK401 - 220   | 15 + 15               |        | ± 29       | ± 20.0               | ± 16                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 230 | 20 + 20               |        | ± 34       | ± 23.0               | ± 19                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 240 | 25 + 25               |        | ± 36       | ± 25.0               | ± 21                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 250 | 30 + 30               |        | ± 39       | ± 26.0               | ± 22                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 260 | 35 + 35               |        | ± 41       | ± 28.0               | ± 23                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 270 | 40 + 40               |        | ± 44       | ± 30.0               | ± 24                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 280 | 45 + 45               |        | ± 45       | ± 31.0               | ± 25                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 290 | 50 + 50               |        | ± 47       | ± 32.0               | ± 26                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 300 | 60 + 60               |        | ± 51       | ± 35.0               | ± 27                 |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 310 | 70 + 70               |        | ± 56       | ± 38.0               | —                    |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 320 | 80 + 80               |        | ± 61       | ± 42.0               | —                    | Fig.14                | 78×44×9<br>(No. 4029)     |                                                                                                                                                                          |        |
| ※ STK401 - 330 | 100 + 100             |        | ± 65       | ± 45.0               | —                    |                       |                           |                                                                                                                                                                          |        |
| ※ STK401 - 340 | 120 + 120             |        | ± 74       | ± 51.0               | —                    |                       |                           |                                                                                                                                                                          |        |

※:Under development

## 【Pin - compatibility of Output pins】



# Main Characteristics

■ STK400 - 010 series / STK400 - 210 series / STK400 - 450 series / STK400 - 650 series

| Type Number    | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]  |          | Equivalent<br>circuit | Case outline            | Features                                                                                                                                                                            |
|----------------|-----------------------|--------|------------|----------|----------|-----------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                       |        |            | RL = 6 Ω | RL = 3 Ω |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 010 | 10 + 10 + 10          | 0.4    | ± 26       | ± 17.0   | ± 14     | Fig.15                | 78×44×9<br>(No. 4086A)  | ◆RL=6/3Ω<br>◆3ch. /1package<br>(Same output power)<br>◆±Power supply<br>◆Pin-compatible with<br>STK401-010 series,<br>STK401-210 series,<br>STK400-450 series,<br>STK400-650 series |
| STK400 - 020   | 15 + 15 + 15          |        | ± 29       | ± 20.0   | ± 16     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 030 | 20 + 20 + 20          |        | ± 34       | ± 23.0   | ± 19     |                       |                         |                                                                                                                                                                                     |
| STK400 - 040   | 25 + 25 + 25          |        | ± 36       | ± 25.0   | ± 21     |                       |                         |                                                                                                                                                                                     |
| STK400 - 050   | 30 + 30 + 30          |        | ± 39       | ± 26.0   | ± 22     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 060 | 35 + 35 + 35          |        | ± 41       | ± 28.0   | ± 23     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 070 | 40 + 40 + 40          |        | ± 44       | ± 30.0   | ± 24     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 080 | 45 + 45 + 45          |        | ± 45       | ± 31.0   | ± 25     |                       |                         |                                                                                                                                                                                     |
| STK400 - 090   | 50 + 50 + 50          |        | ± 47       | ± 32.0   | ± 26     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 100 | 60 + 60 + 60          |        | ± 51       | ± 35.0   | ± 27     | Fig.16                | 90×53×8.5<br>(No. 4145) |                                                                                                                                                                                     |
| ※ STK400 - 110 | 70 + 70 + 70          |        | ± 56       | ± 38.0   | —        |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 210 | 10 + 10 + 10          | 0.08   | ± 26       | ± 17.5   | ± 14     | Fig.17                | 78×44×9<br>(No. 4086A)  |                                                                                                                                                                                     |
| ※ STK400 - 220 | 15 + 15 + 15          |        | ± 29       | ± 20.0   | ± 16     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 230 | 20 + 20 + 20          |        | ± 34       | ± 23.0   | ± 19     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 240 | 25 + 25 + 25          |        | ± 36       | ± 25.0   | ± 21     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 250 | 30 + 30 + 30          |        | ± 39       | ± 26.0   | ± 22     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 260 | 35 + 35 + 35          |        | ± 41       | ± 28.0   | ± 23     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 270 | 40 + 40 + 40          |        | ± 44       | ± 30.0   | ± 24     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 280 | 45 + 45 + 45          |        | ± 45       | ± 31.0   | ± 25     |                       |                         |                                                                                                                                                                                     |
| STK400 - 290   | 50 + 50 + 50          |        | ± 47       | ± 32.0   | ± 26     |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 300 | 60 + 60 + 60          |        | ± 51       | ± 35.0   | ± 27     | Fig.18                | 90×53×8.5<br>(No. 4145) |                                                                                                                                                                                     |
| ※ STK400 - 310 | 70 + 70 + 70          |        | ± 56       | ± 38.0   | —        |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 450 | 15 + 30 + 15          | 0.4    | ± 39       | ± 26.0   | ± 22.0   | Fig.15                | 78×44×9<br>(No. 4086A)  |                                                                                                                                                                                     |
| ※ STK400 - 460 | 15 + 35 + 15          |        | ± 41       | ± 28.0   | ± 23.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 470 | 20 + 40 + 20          |        | ± 44       | ± 30.0   | ± 24.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 480 | 20 + 45 + 20          |        | ± 45       | ± 31.0   | ± 25.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 490 | 25 + 50 + 25          |        | ± 47       | ± 32.0   | ± 26.0   | Fig.19                | 90×53×8.5<br>(No. 4145) |                                                                                                                                                                                     |
| ※ STK400 - 500 | 30 + 60 + 30          |        | ± 51       | ± 35.0   | ± 27.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 510 | 35 + 70 + 35          |        | ± 56       | ± 38.0   | —        | Fig.20                |                         |                                                                                                                                                                                     |
| ※ STK400 - 520 | 40 + 80 + 40          |        | ± 61       | ± 42.0   | —        |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 530 | 50 + 100 + 50         |        | ± 65       | ± 45.0   | —        |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 650 | 15 + 30 + 15          | 0.08   | ± 39       | ± 26.0   | ± 22.0   | Fig.17                | 78×44×9<br>(No. 4086A)  |                                                                                                                                                                                     |
| ※ STK400 - 660 | 15 + 35 + 15          |        | ± 41       | ± 28.0   | ± 23.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 670 | 20 + 40 + 20          |        | ± 44       | ± 30.0   | ± 24.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 680 | 20 + 45 + 20          |        | ± 45       | ± 31.0   | ± 25.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 690 | 25 + 50 + 25          |        | ± 47       | ± 32.0   | ± 26.0   | Fig.21                | 90×53×8.5<br>(No. 4145) |                                                                                                                                                                                     |
| ※ STK400 - 700 | 30 + 60 + 30          |        | ± 51       | ± 35.0   | ± 27.0   |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 710 | 35 + 70 + 35          |        | ± 56       | ± 38.0   | —        | Fig.22                |                         |                                                                                                                                                                                     |
| ※ STK400 - 720 | 40 + 80 + 40          |        | ± 61       | ± 42.0   | —        |                       |                         |                                                                                                                                                                                     |
| ※ STK400 - 730 | 50 + 100 + 50         |        | ± 65       | ± 45.0   | —        |                       |                         |                                                                                                                                                                                     |

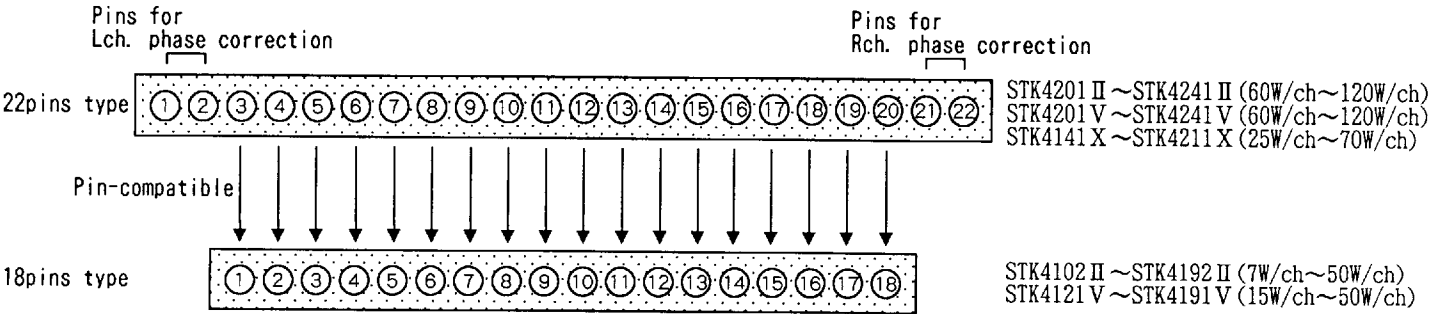
※:Under development

【Caution】 In case of 3 channel different output STK400 - 450, STK400 - 650 series, maximum power supply Vccmax and recommend power supply Vcc in the list shows numerical value of power supply of center channel. The numerical value of the power supply for L, R channel is same as 2 channel amplifier STK401 - 010 series which is same output.

■ STK4102 II series / STK4201 II series / STK4121 V series /  
STK4141 X series / STK4196 X series

| Type Number | Output power<br>Po[W] | THD[%] | Vcc max[V] | Vcc [V]  |          | Equivalent<br>circuit | Case outline              | Features                                                                                                           |
|-------------|-----------------------|--------|------------|----------|----------|-----------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------|
|             |                       |        |            | RL = 8 Ω | RL = 4 Ω |                       |                           |                                                                                                                    |
| STK4102 II  | 6 + 6                 | 0.4    | ± 20.5     | ± 13.2   | ± 12.0   | Fig.23                | 64×31×8.5<br>(No. 4083)   | ◆2ch. /1package<br>◆±Power supply<br>◆Built-in<br>muting circuit<br>◆Pin-compatible<br>◆RL=2Ω<br>(STK4196X series) |
| STK4112 II  | 10 + 10               |        | ± 26.0     | ± 17.0   | ± 14.0   |                       |                           |                                                                                                                    |
| STK4122 II  | 15 + 15               |        | ± 30.5     | ± 20.0   | ± 17.0   |                       | 64×36.5×8.5<br>(No. 4040) |                                                                                                                    |
| STK4132 II  | 20 + 20               |        | ± 34.5     | ± 23.0   | ± 20.0   |                       |                           |                                                                                                                    |
| STK4142 II  | 25 + 25               |        | ± 39.0     | ± 26.0   | ± 22.0   |                       |                           |                                                                                                                    |
| STK4152 II  | 30 + 30               |        | ± 42.0     | ± 27.5   | ± 25.0   |                       |                           |                                                                                                                    |
| STK4162 II  | 35 + 35               |        | ± 45.0     | ± 30.0   | ± 27.0   |                       |                           |                                                                                                                    |
| STK4172 II  | 40 + 40               |        | ± 48.0     | ± 32.0   | ± 29.0   |                       |                           |                                                                                                                    |
| STK4182 II  | 45 + 45               |        | ± 50.0     | ± 33.5   | ± 30.5   |                       |                           |                                                                                                                    |
| STK4192 II  | 50 + 50               |        | ± 52.5     | ± 35.0   | ± 31.0   |                       |                           |                                                                                                                    |
| STK4201 II  | 60 + 60               | 0.4    | ± 55.0     | ± 38.0   | —        | Fig.24                | 78×44×9<br>(No. 4086A)    |                                                                                                                    |
| STK4211 II  | 70 + 70               |        | ± 60.0     | ± 42.0   | —        |                       |                           |                                                                                                                    |
| STK4221 II  | 80 + 80               |        | ± 65.0     | ± 45.0   | —        |                       |                           |                                                                                                                    |
| STK4231 II  | 100 + 100             |        | ± 75.0     | ± 51.0   | —        |                       |                           |                                                                                                                    |
| STK4241 II  | 120 + 120             |        | ± 77.0     | ± 53.0   | —        |                       |                           |                                                                                                                    |
| STK4121 V   | 15 + 15               | 0.08   | ± 32.0     | ± 21.5   | ± 19.0   | Fig.25                | 64×36.5×8.5<br>(No. 4040) |                                                                                                                    |
| STK4131 V   | 20 + 20               |        | ± 36.0     | ± 24.5   | ± 22.0   |                       |                           |                                                                                                                    |
| STK4141 V   | 25 + 25               |        | ± 40.5     | ± 27.0   | ± 24.0   |                       |                           |                                                                                                                    |
| STK4151 V   | 30 + 30               |        | ± 42.0     | ± 28.0   | ± 25.0   |                       |                           |                                                                                                                    |
| STK4161 V   | 35 + 35               |        | ± 46.0     | ± 30.5   | ± 26.5   |                       |                           |                                                                                                                    |
| STK4171 V   | 40 + 40               |        | ± 49.0     | ± 32.5   | ± 28.0   |                       |                           |                                                                                                                    |
| STK4181 V   | 45 + 45               |        | ± 51.0     | ± 34.0   | ± 30.0   |                       |                           |                                                                                                                    |
| STK4191 V   | 50 + 50               |        | ± 53.0     | ± 35.5   | ± 32.0   |                       |                           |                                                                                                                    |
| STK4201 V   | 60 + 60               |        | ± 57.0     | ± 39.0   | —        | Fig.26                | 78×44×9<br>(No. 4086A)    |                                                                                                                    |
| STK4211 V   | 70 + 70               |        | ± 62.0     | ± 43.0   | —        |                       |                           |                                                                                                                    |
| STK4221 V   | 80 + 80               |        | ± 65.0     | ± 45.0   | —        |                       |                           |                                                                                                                    |
| STK4231 V   | 100 + 100             |        | ± 75.0     | ± 51.0   | —        |                       |                           |                                                                                                                    |
| STK4241 V   | 120 + 120             |        | ± 78.0     | ± 54.0   | —        |                       |                           |                                                                                                                    |
| STK4141 X   | 25 + 25               | 0.02   | ± 41.0     | ± 27.5   | ± 24.5   | Fig.27                | 105×32×8.5<br>(No. 4146)  |                                                                                                                    |
| STK4151 X   | 30 + 30               |        | ± 42.5     | ± 29.0   | ± 25.5   |                       |                           |                                                                                                                    |
| STK4171 X   | 40 + 40               |        | ± 49.5     | ± 33.0   | ± 28.5   |                       |                           |                                                                                                                    |
| STK4191 X   | 50 + 50               |        | ± 53.5     | ± 36.0   | ± 32.5   |                       |                           |                                                                                                                    |
| STK4201 X   | 60 + 60               |        | ± 57.5     | ± 39.5   | —        |                       |                           |                                                                                                                    |
| STK4211 X   | 70 + 70               |        | ± 62.5     | ± 43.5   | —        |                       |                           |                                                                                                                    |
| STK4196 X   | 50 + 50               | 0.05   | ± 53.5     | —        | ± 29.0   | Fig.28                |                           |                                                                                                                    |
| STK4216 X   | 70 + 70               |        | ± 62.5     | —        | ± 34.0   |                       |                           |                                                                                                                    |

【Pin – compatibility of Output pins】



# Equivalent Circuit

Figure 1

STK4144MK2 to STK4194MK2

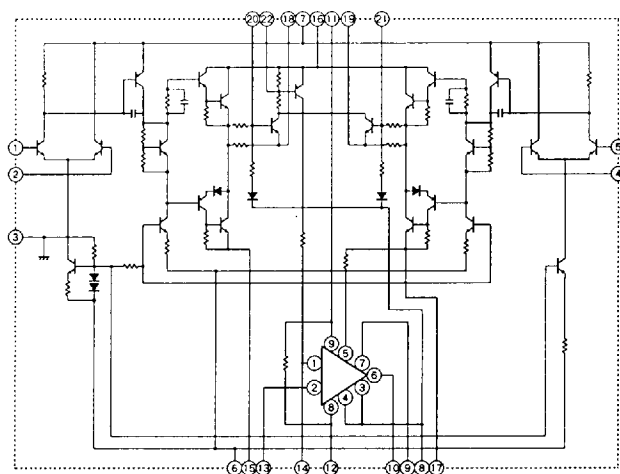


Figure 2

STK4204MK2 to STK4234MK2

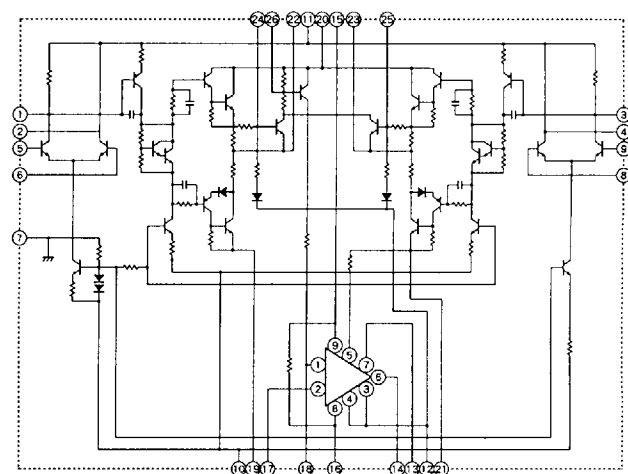


Figure 3

STK4144MK5 to STK4194MK5

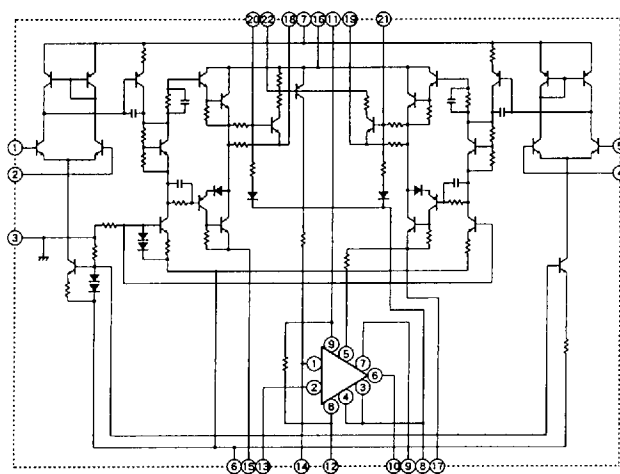


Figure 4

STK4204MK5 to STK4234MK5

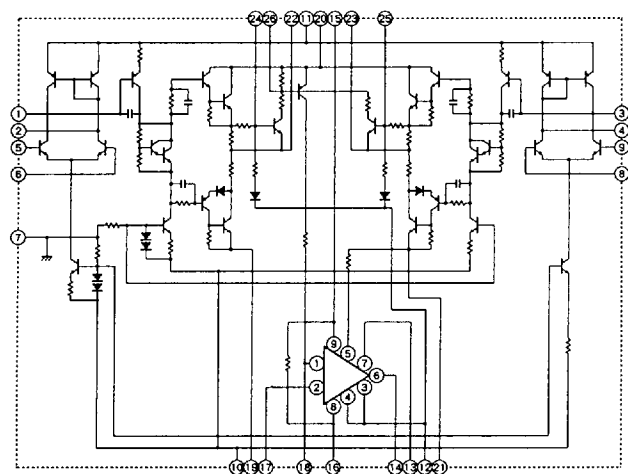


Figure 5

STK4145MK2 to STK4195MK2

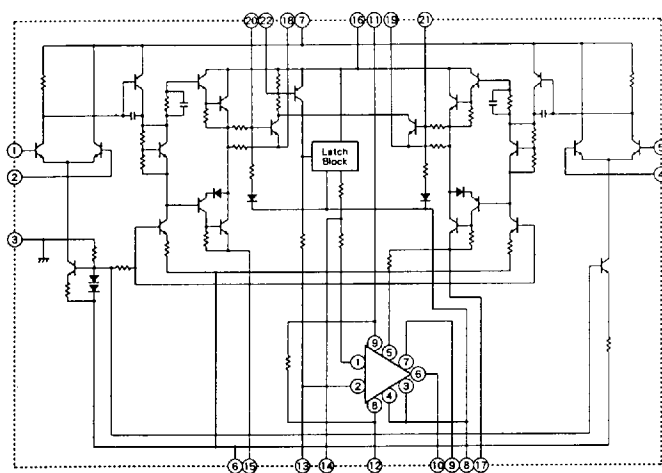
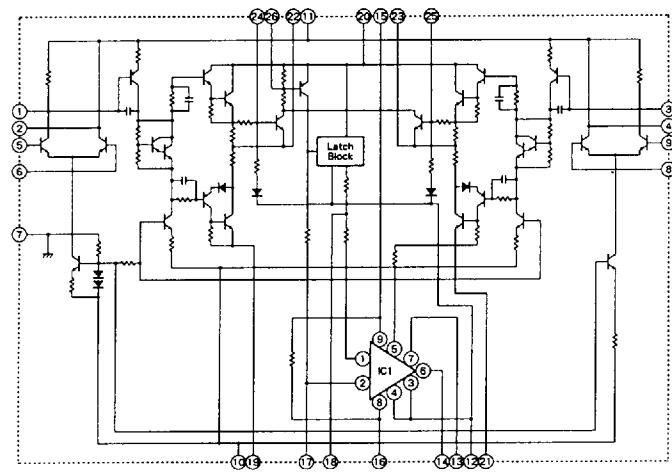
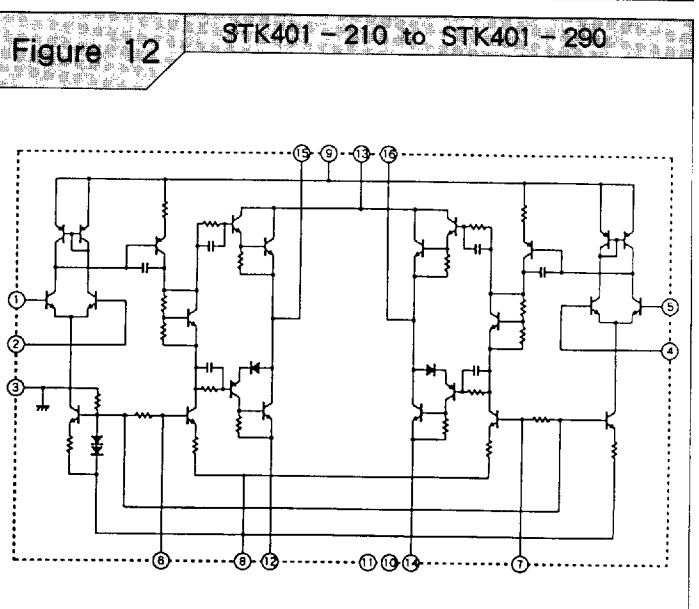
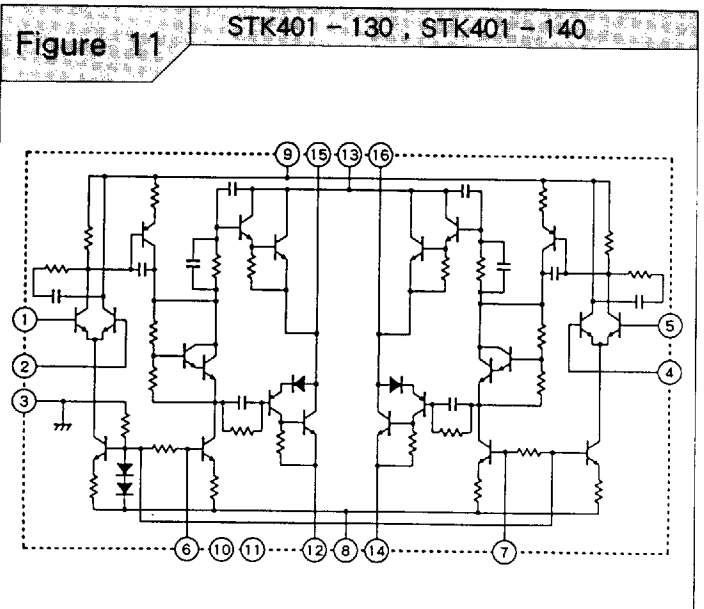
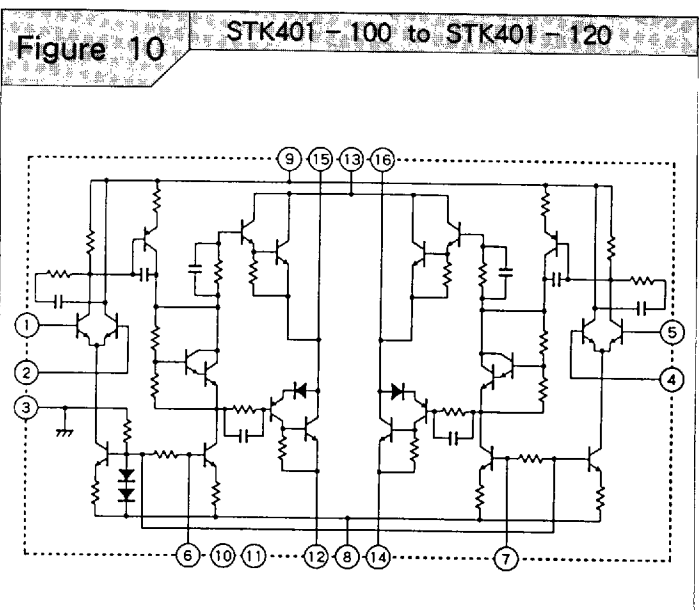
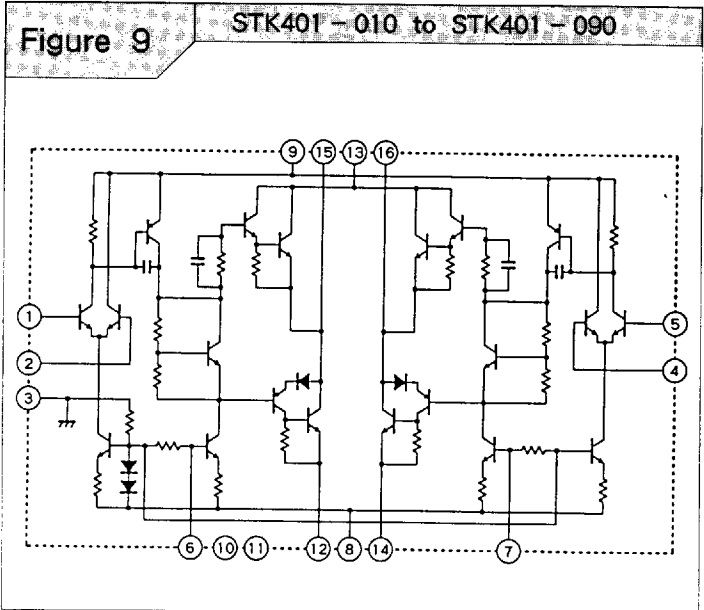
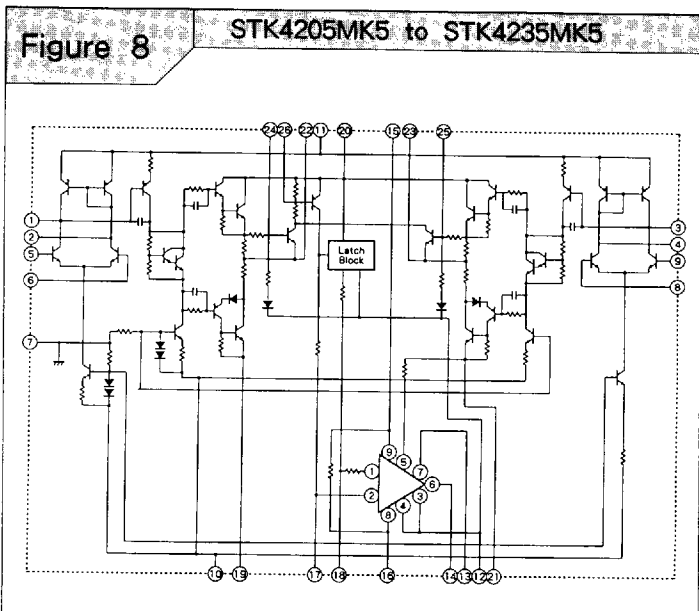
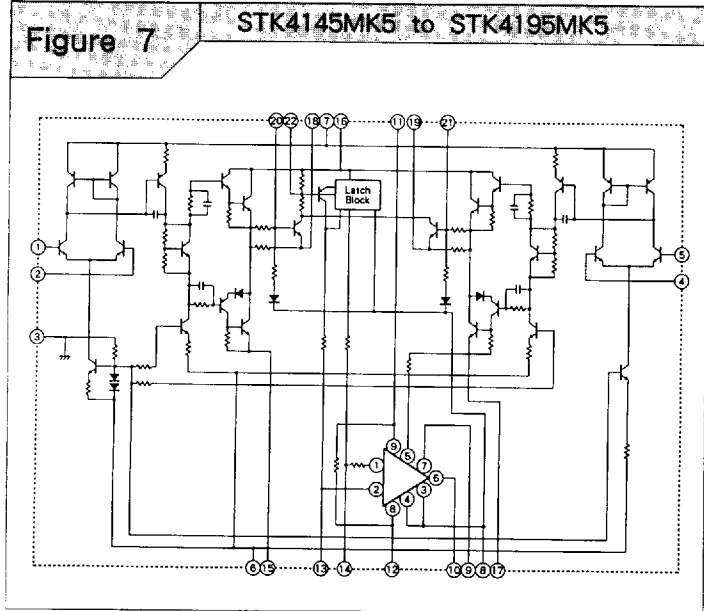


Figure 6

STK4205MK2 to STK4235MK2





# ■ Equivalent Circuit

Figure 13

STK401 - 300 to STK401 - 310

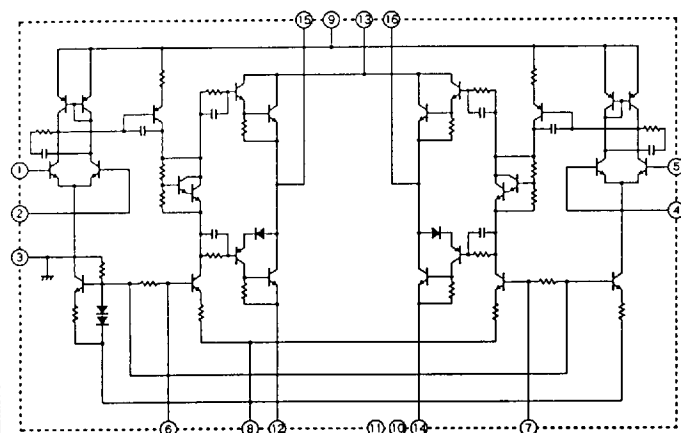


Figure 14

STK401 - 320 to STK401 - 340

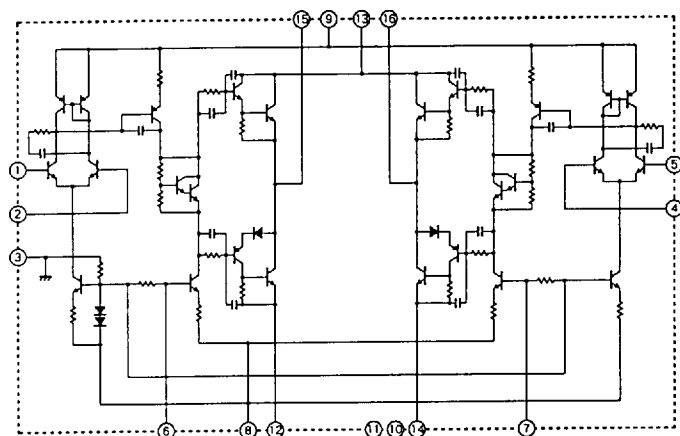


Figure 15

STK400 - 010 to STK400 - 090 , STK400 - 450 to STK400 - 490

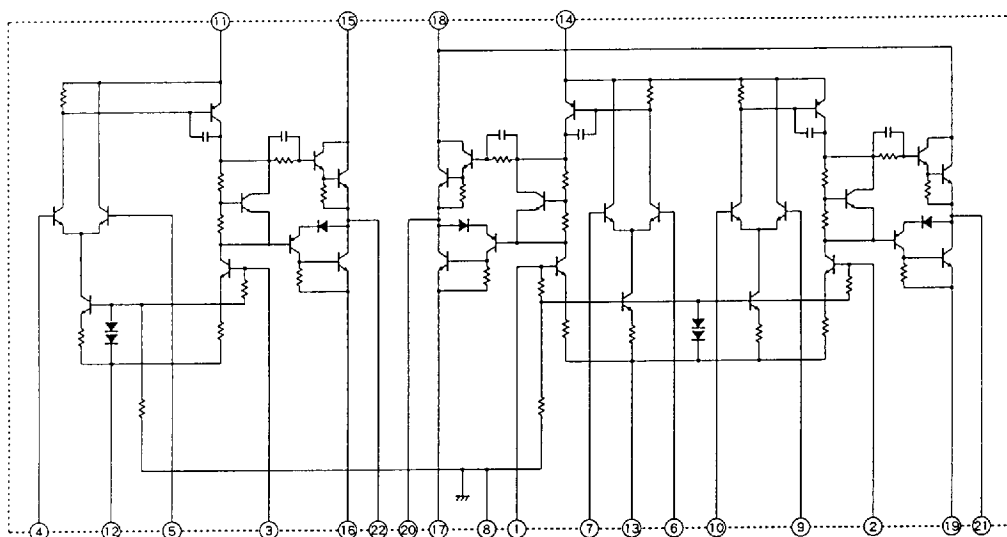


Figure 16

STK400 - 100 , STK400 - 110

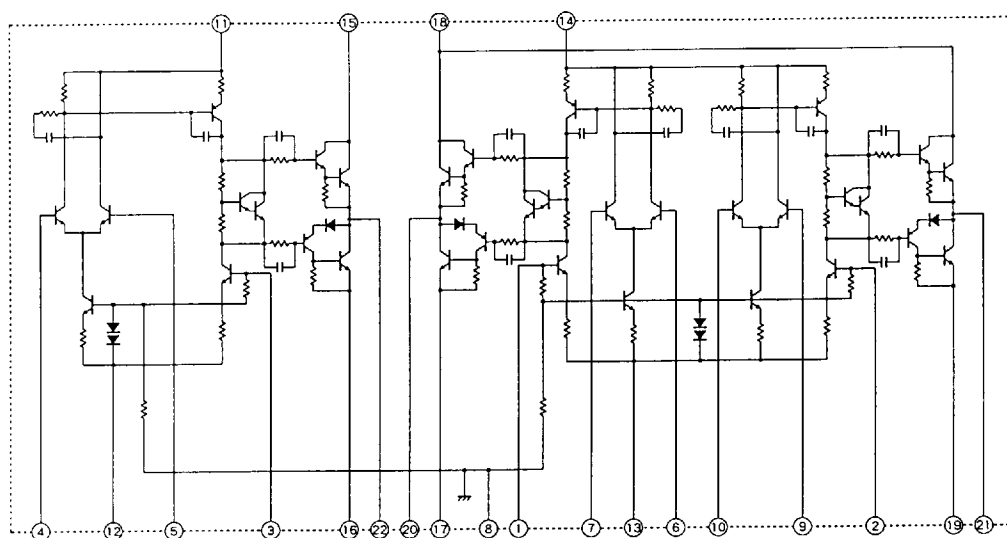


Figure 17

STK400 - 210 to STK400 - 290 , STK400 - 650 to STK400 - 690

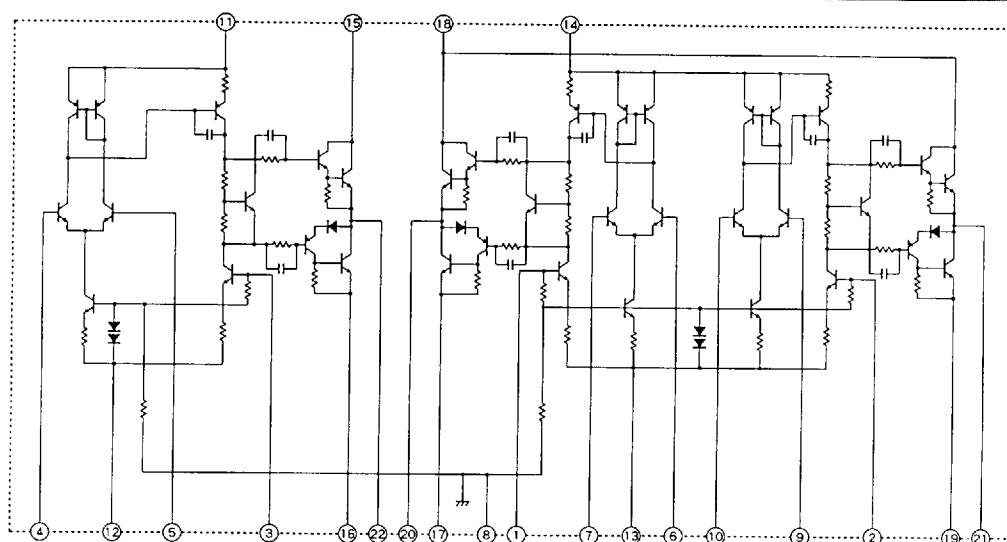


Figure 18

STK400 - 300 , STK400 - 310

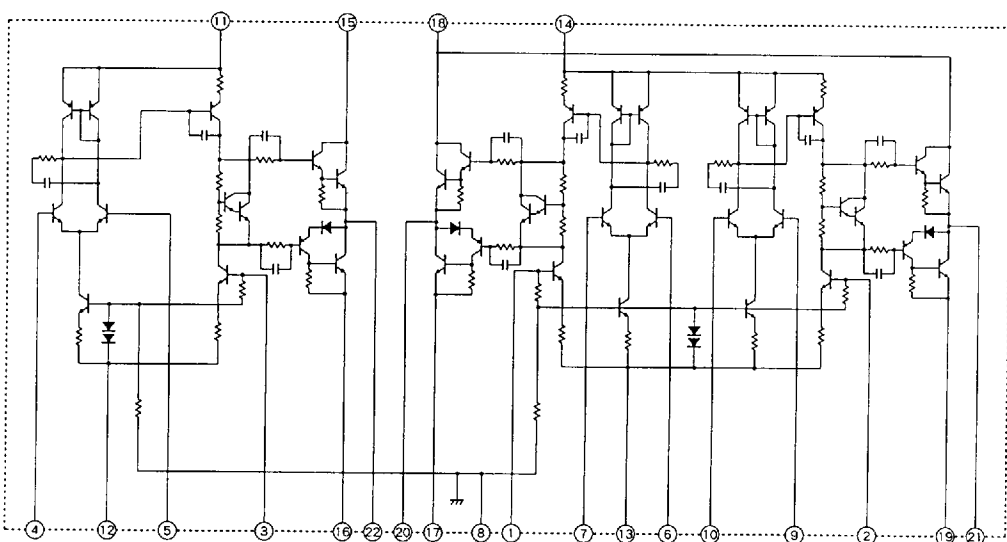
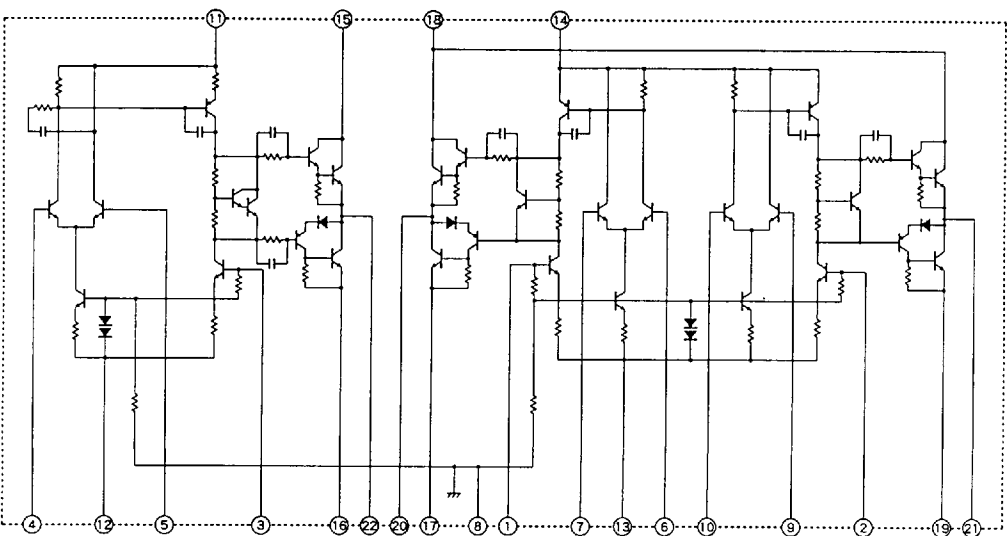


Figure 19

STK400 - 500 to STK400 - 520



# Equivalent Circuit

Figure 20

STK400 - 530

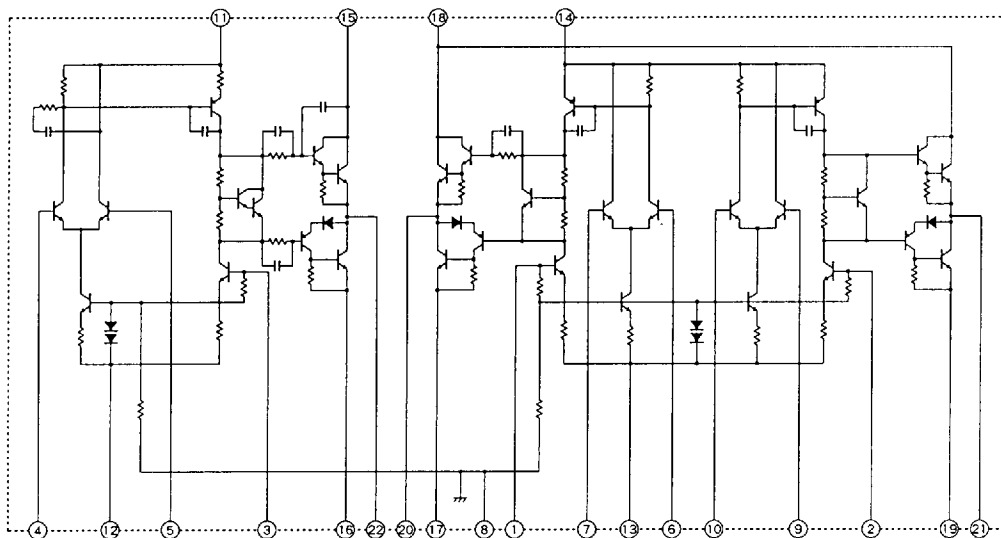


Figure 21

STK400 - 700 , STK400 - 710

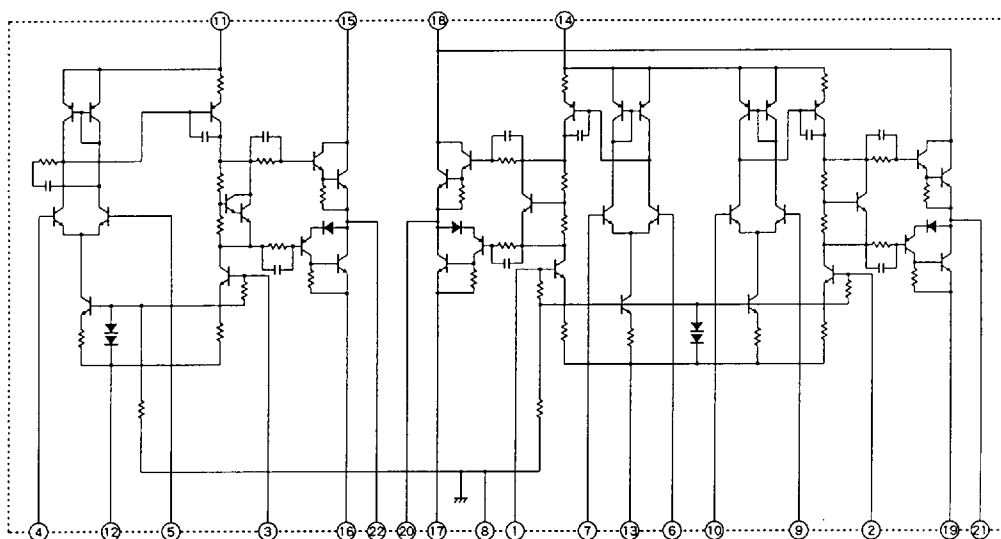


Figure 22

STK400 - 720 , STK400 - 730

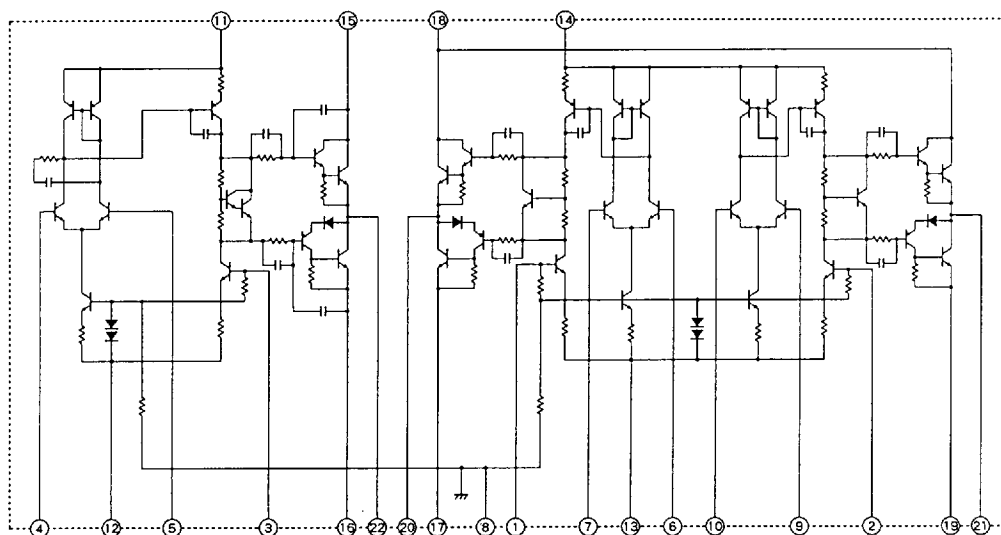
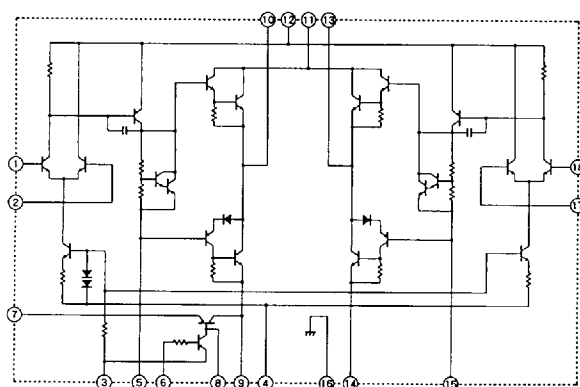


Figure 23

STK4102 II to STK4192 II



**Figure 24**

STK4201 || to STK4241 ||

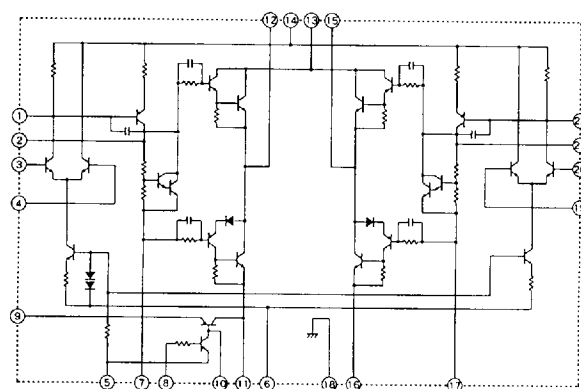
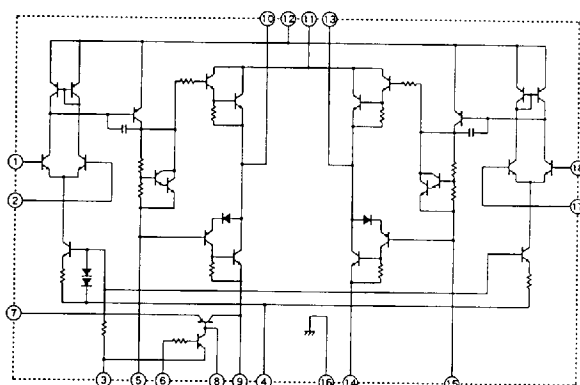


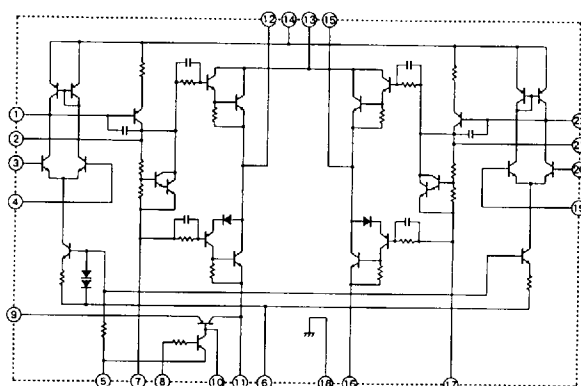
Figure 25

STK4121 V to STK4191 V



## Figure 26

STK4201 V to STK4241 V



## Figure 27

STK4141 X to STK4211 X

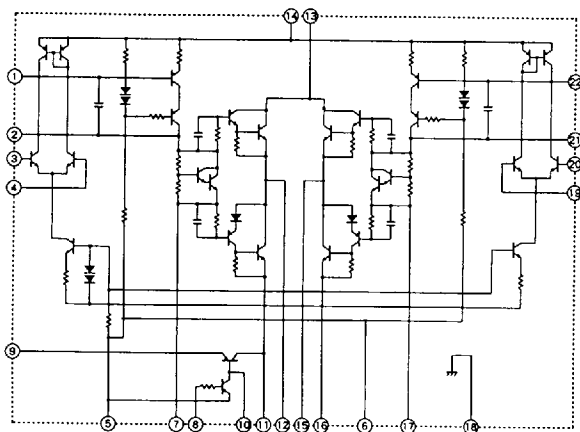
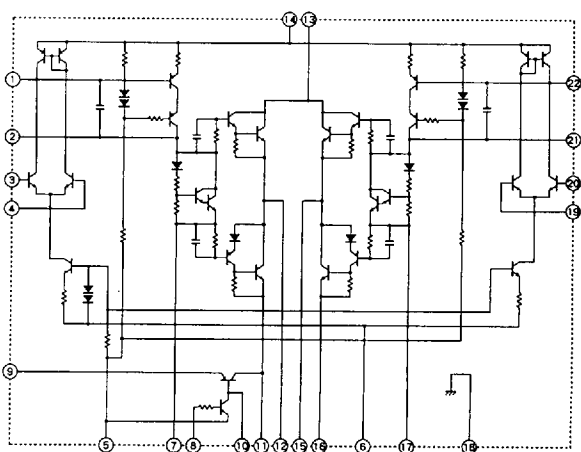
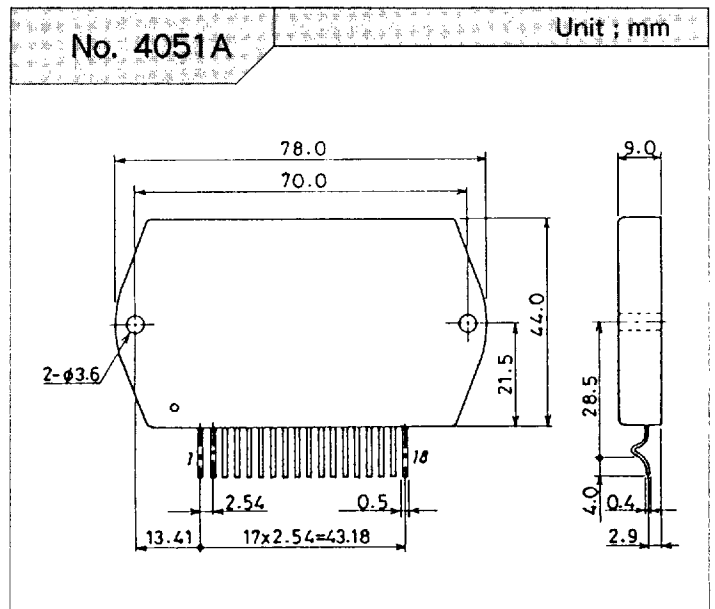
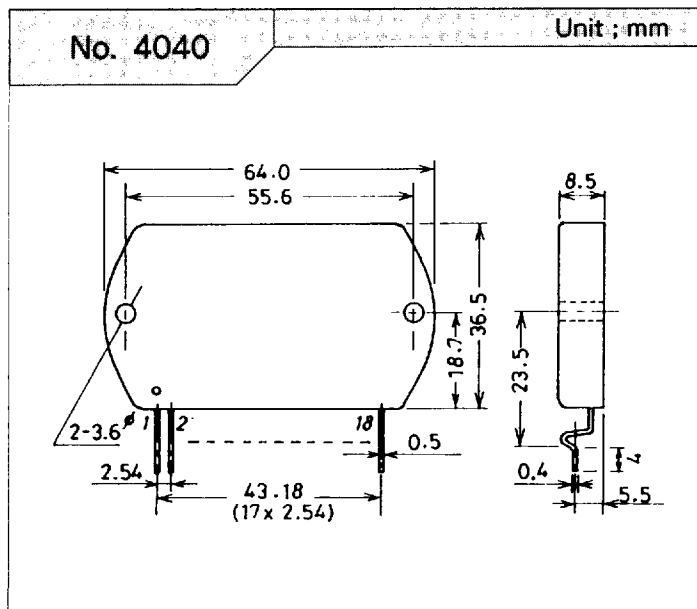
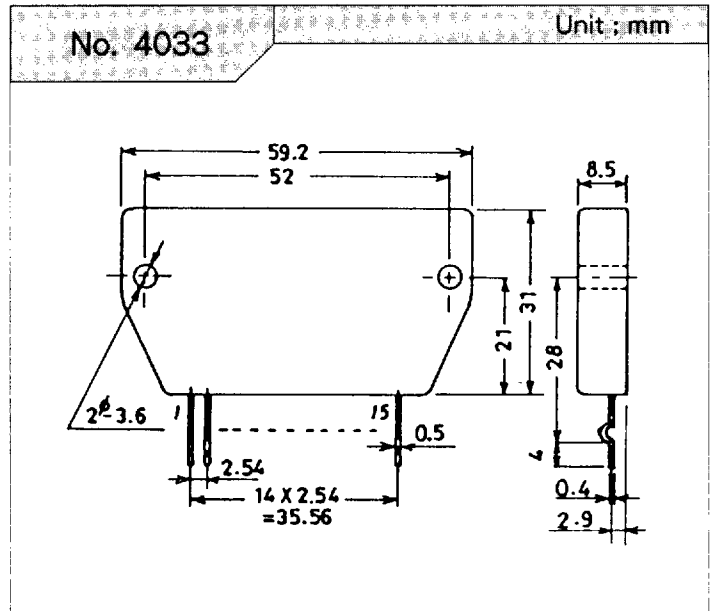
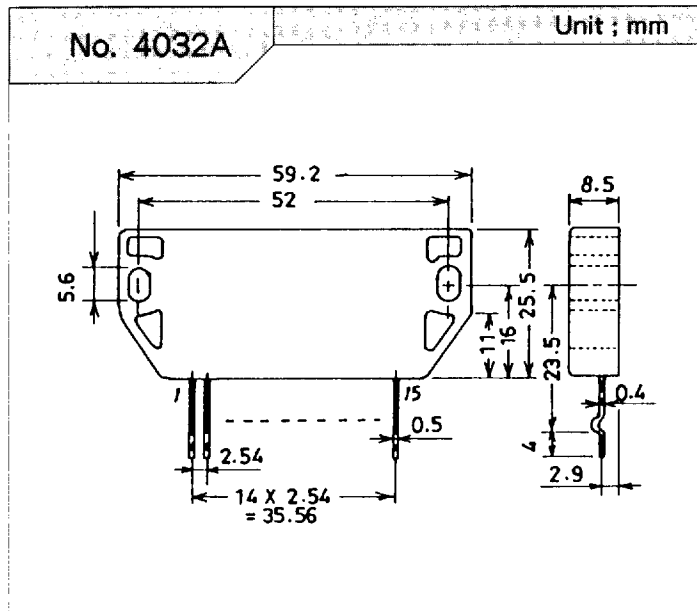
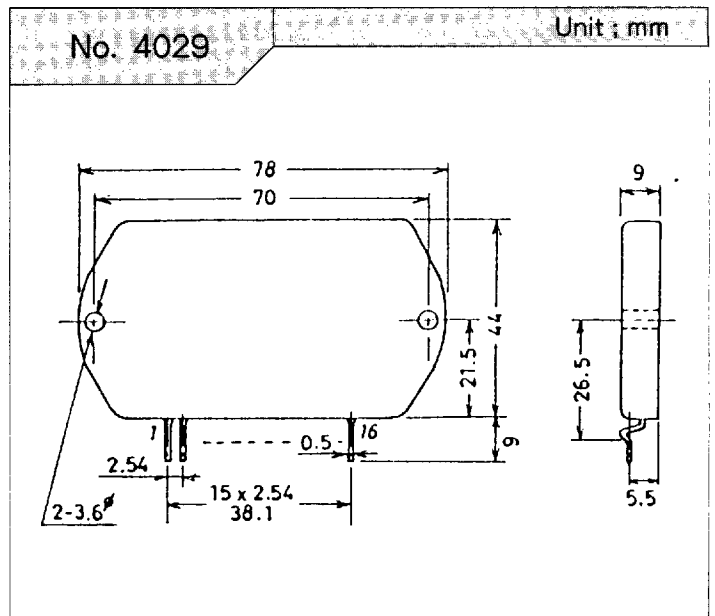
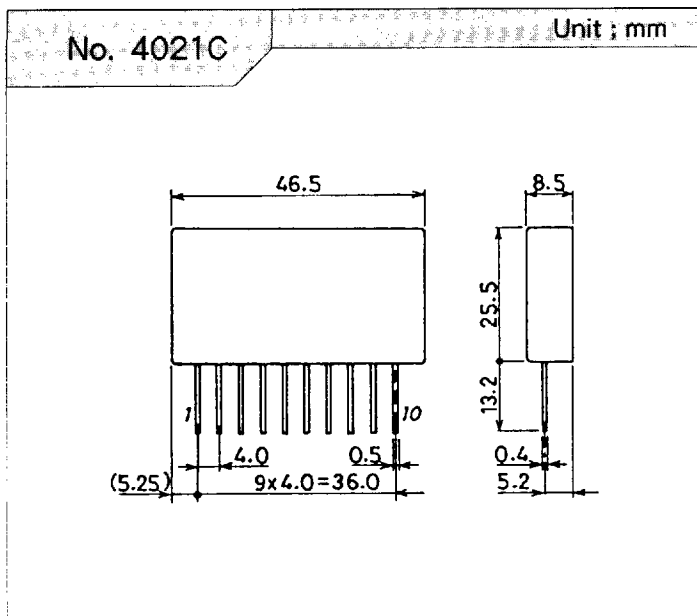


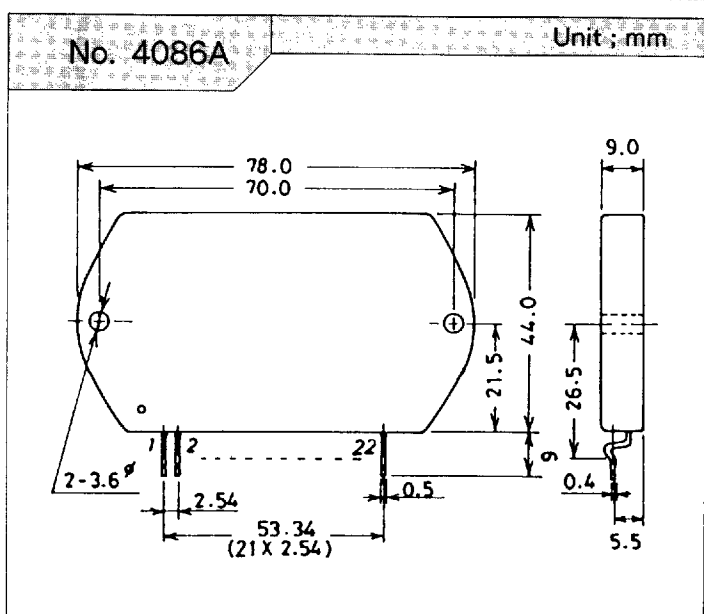
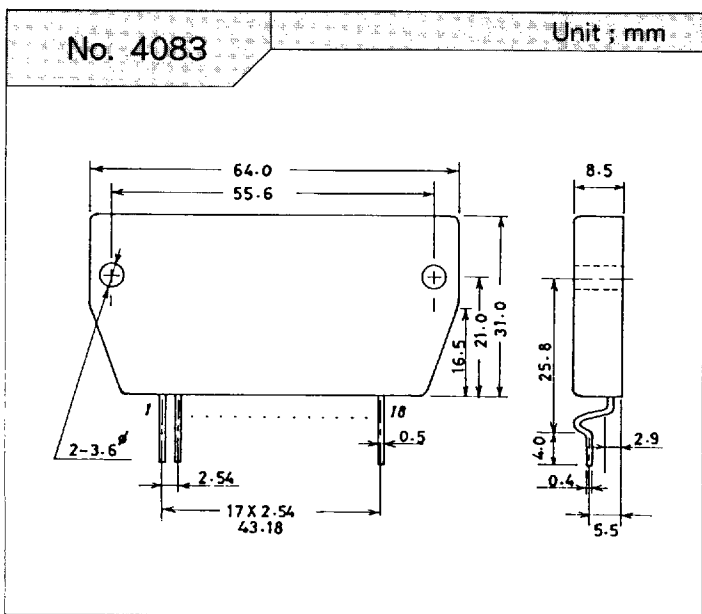
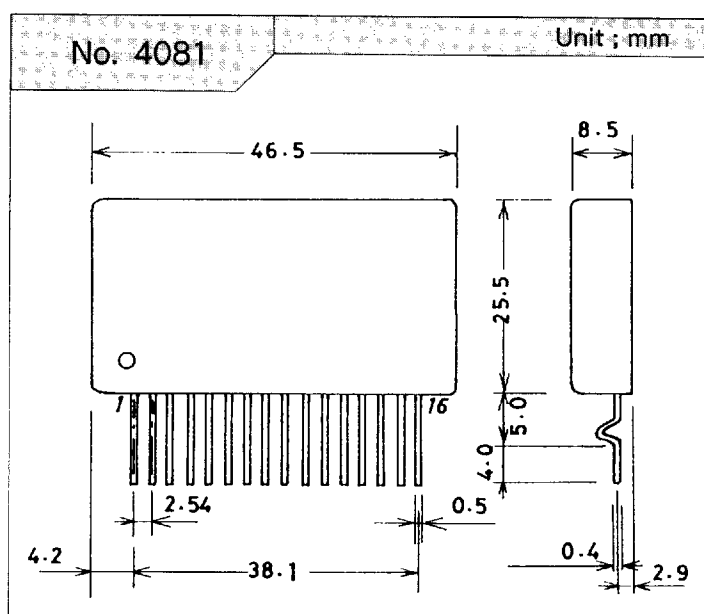
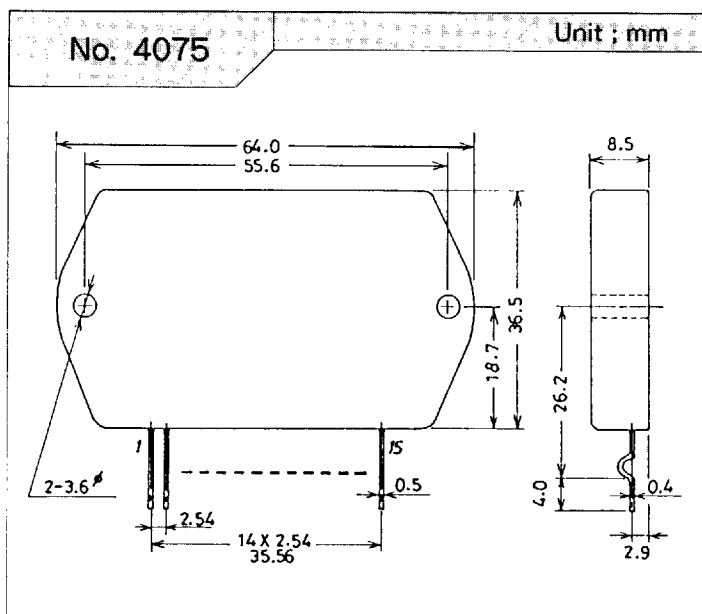
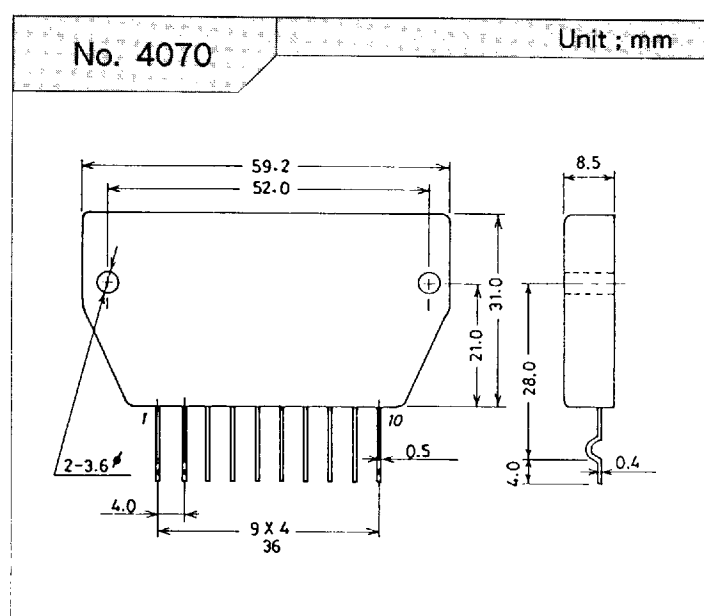
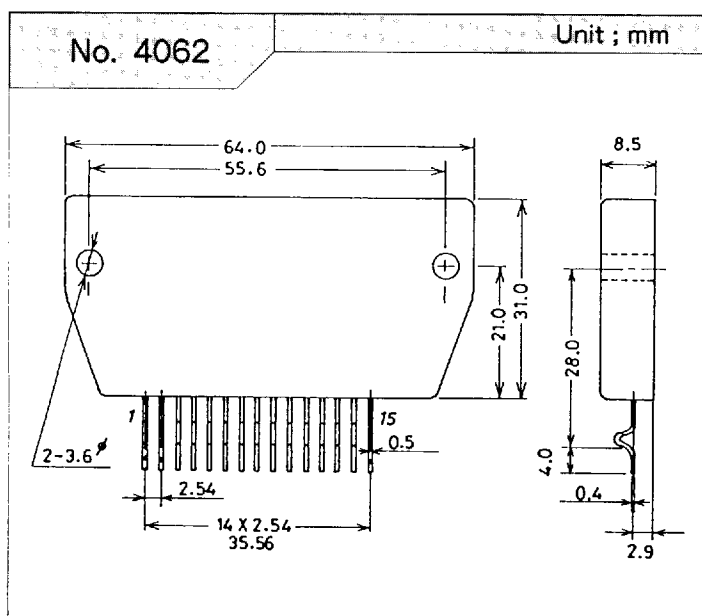
Figure 28

STK4196 X to STK4216 X



# Case Outline





# ■ Case Outline

